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PTO/SB/21 (08-03)

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(to be used for all correspondence after initial filing)

Application Number	09/918 593
Filing Date	08/01/2001
First Named Inventor	RAJA SINGH TULI
Art Unit	2821
Examiner Name	PHAN, THO GIA
Attorney Docket Number	

Total Number of Pages in This Submission

93

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance communication to Group
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<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	* See Attached note regarding IDS sent earlier. + proof of delivery	
	Total pages = 88 + 5 = 93 By Fax 8 pages only.	

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	RAJA SINGH TULI
Signature	<i>[Signature]</i>
Date	December 09/2003

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Raja Singh Tuli

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Applicant: Raja Singh Tuli

Examiner: Phan, Tho Gia

Application Number: 09/918,523

Filing Date: 08/01/2001

Date of Response: December 09/2003

Art Unit: 2821

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INFORMATION DISCLOSURE STATEMENT

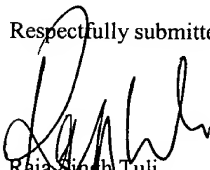
Sir:

Enclosed is a copy of Information Disclosure Citation forms PTO/SB/08A and PTO/SB/08B and copy of non-U.S. patent documents. It is respectfully requested that the cited documents be considered and that the enclosed copy of Information Disclosure Citation forms PTO/SB/08A and PTO/SB/08B be initialed by the examiner to indicate such a consideration and a copy thereof returned to the applicant.

Pursuant to 37 C.F.R. § 1.97, the submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited in this statement is material to patentability.

Pursuant to 37 C.F.R. § 1.97, this Information Disclosure Statement is being submitted under 37 C.F.R. § 1.97 (b)(4).

Respectfully submitted,



Raja Singh Tuli
Inventor

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	1
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Complete if Known

Application Number	09/911,523 918 523
Filing Date	08/01/2001
First Named Inventor	Raja Singh Tuli
Art Unit	2821
Examiner Name	Phan, Tho Gia
Attorney Docket Number	

U. S. PATENT DOCUMENTS

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (If known)			
		US- 4,562,461	12-31-1985	Yin	
		US- 4,714,956	12-22-1987	Yin	
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FOREIGN PATENT DOCUMENTS

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Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	09/918,523 918, 523 3800 MAIL ROOM
		Filing Date	08/01/2001
		First Named Inventor	Raja Singh Tuli
		Art Unit	2821
		Examiner Name	Phan, Tho Gia
Sheet 1	of 2	Attorney Docket Number	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		NAKAYAMA K et al, Charge-injection-controlled organic transistor, Applied Physics Letters, 2003, Vol. 82, No. 25, Pg. 4584	
		NAKAYAMA K et al, Photocurrent multiplication at organic/metal interface and surface morphology of organic films, Journal of Applied Physics, 2000, Vol. 87, No. 7, Pg. 3365	
		NAKAYAMA K et al, A high speed photocurrent multiplication device based on an organic double-layered structure, Applied Physics Letters, 2000, Vol. 76, No.9, Pg. 1194	
		NAKAYAMA K et al, Direct tracing of the photocurrent multiplication process in an organic pigment film, Journal of Applied Physics, 1998, Vol. 84, No. 11, Pg. 6154	
		HIRAMATO M et al, Photocurrent multiplication in amorphous silicon carbide films, Applied Physics Letters, 1991, Vol. 59, No. 16, Pg. 1992	
		HIRAMATO M et al, Photocurrent multiplication in organic pigment films, Applied Physics Letters, 1994, Vol. 64, No. 2, Pg. 187	
		HIRAMATO M et al, Spatially addressable light transducer....., Applied Physics Letters, 1990, Vol. 57, No. 16, Pg. 1625	
		HIRAMATO M et al, Photocurrent multiplication in organic single crystals, Applied Physics Letters, 2002, Vol. 81, No. 8, Pg. 1500	
		HIRAMATO M et al, Direct measurement of internal potential distribution in organic electroluminescent diodes....., Applied Physics Letters, 2000, Vol. 76, No. 10, Pg.1336	
		HIRAMATO M et al, Field-activated structural traps at organic pigment/metal interfaces causing photocurrent....., Applied Physics Letters, 1998, Vol. 73, No. 18, Pg. 2627	

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Application Number	09/000000 918,523
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First Named Inventor	Raja Singh Tuli
Art Unit	2821
Examiner Name	Phan, Tho Gia
Attorney Docket Number	

Sheet	2	of	2
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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		HIRAMOTO M et al, Light amplification in a new light transducer combining....., Optical Review, 1994, Vol. 1, No. 1, Pg. 82	
		HIRAMOTO M et al, Photocurrent mutiplication phenomena at organic/metal and organic/organic interfaces, Thin Solid Films, 1998, No. 331, pg. 71-75	
		KATSUME T et al, Photocurrent mutiplication in naphthalene tetracarboxylic anhydride film at room temprature, Applied Physics Letters, 1996, Vol. 69, No. 24, Pg. 3722	
		TANO T et al, Observation of photoassisted electroluminescent... Extended Abstarcts 2001 International Conferences on Solid State Devices and Materials, Tokyo, Pg. 638-639	
		NI J et al, Organic light emitting diode with TiOPc layer....., Jpn. J. Appl. Phys., 2001, Vol. 40, Pg. L948-L951	
		KATSUME T et al, Light amplification device using oragnic electroluminescent diode coupled with photoresponsive....., Applied Physics Letters, 1995, Vol. 66, No. 22, Pg. 2992	
		KATSUME T et al, High photon conversion in a light transducer combining oragnic electroluminescent diode....., Applied Physics Letters, 1994, Vol. 64, No. 19, Pg. 2546	
		CHIKAMATSU M et al, Light up-conversion from near-infrared to blue using a photoresponsive organic light-emitting device, Applied Physics Letters, 2002, Vol. 81, No. 4, Pg.769	
		MATSUNOBU G et al, High-speed multiplication-type photodetecting device using organic codeposited films, Applied Physics Letters, 2002, Vol. 81, No. 7, Pg.1321	

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